IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AS PCT RECEIVING OFFICE (RO/US)

International
Application No.:   PCT/US2004/040321

International
Filing Date: 02 December 2004 (02.12.2004)

Applicant: THE REGENTS OF THE UNIVERSITY OF MICHIGAN, et al.

Title: GERANIOL SYNTHASE, METHODS OF PRODUCTION
                      AND USES THEREOF

Attorney Docket: 2115-2692/POA

Mail Stop PCT
Commissioner for Patents
P. O. Box 1450
Alexandria, Virginia 22313-1450

Attn: Authorized Officer Theodosia SIMPKINS

RESPONSE TO INVITATION TO FURNISH NUCLEOTIDE AND/OR AMINO ACID SEQUENCE LISTING RELATED THERETO COMPLYING WITH STANDARD AND/OR TECHNICAL REQUIREMENTS
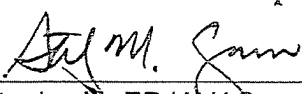
Madam:

In response to Form PCT/RO/225 mailed 24 January 2005, submitted herewith is an amino acid sequence listing in written form complying with the standard provided for in Annex C of the Administrative Instructions, a CD containing the sequence listing in computer readable form and an accompanying statement.

Should there be any questions regarding the present application or this Response, please direct all communications to the undersigned at (248) 641-1600.

Respectfully submitted,

Dated: 24 February 2005   By: _____
                                               Stanley M. ERJAVAC
                                               Reg. No. 38,442

Harness, Dickey & Pierce
P. O. Box 828
Bloomfield Hills, MI 48303
(248) 641-1600

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
AS PCT INTERNATIONAL SEARCHING AUTHORITY

International
Application No.:   PCT/US04/040321

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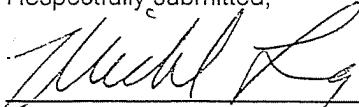### STATEMENT FOR SEQUENCE LISTING AND COMPUTER READABLE FORMAT

Pursuant to the "Invitation to Furnish Nucleotide and/or Amino Acid Sequence Listing" mailed January 24, 2005, submitted herein is a CD containing computer readable form of the sequence listing for the above-referenced patent application in compliance with the requirements of Administrative Instructions Under the PCT, Annex C, Paragraphs 39 and 40.

I hereby state that the sequence listing information recorded in computer readable form is identical to the written (paper version) sequence listing being submitted herein and does not go beyond the disclosure of the above referenced patent application.

Respectfully submitted,

Dated: 02/22/05

Michael J. Lang, Ph.D.
Reg. No. 51,120

Harness, Dickey & Pierce, P.L.C.
P.O. Box 828
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248-641-1600
MIL/csd

SEQUENCE LISTING

<110>   The Regants of the University of Michigan

<120>   Geraniol Synthase, Method of Production and Uses Thereof

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<301>   Iijima,Y., Gang,D.R., Lewinsohn,E. and Pichersky,E.
<302>   Characterization of geraniol synthase from the peltate glands of
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aggcatctga gaatggcgag gttggaagcg agacgattca tcgagcagta tggtaaacag   720

agcgatcatg atggagatct tttggagctg gcaattttgg attataatca agttcaggct   780

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<301> Iijima,Y., Gang,D.R., Fridman,E., Lewinsohn,E. and Pichersky,E.
<302> Characterization of geraniol synthase from the peltate glands of sweet basil
<303> Plant Physiol.
<304> 134
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            20   25   30
Page 2

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Arg Phe Ser Ala Cys Thr Pro Leu Ala Ser Ala Met Pro Leu Ser Ser
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Thr Pro Leu Ile Asn Gly Asp Asn Ser Gln Arg Lys Asn Thr Arg Gln
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His Met Glu Glu Ser Ser Ser Lys Arg Arg Glu Tyr Leu Leu Glu Glu
65              70              75              80

Thr Thr Arg Lys Leu Gln Arg Asn Asp Thr Glu Ser Val Glu Lys Leu
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Lys Leu Ile Asp Asn Ile Gln Gln Leu Gly Ile Gly Tyr Tyr Phe Glu
            100             105             110

Asp Ala Ile Asn Ala Val Leu Arg Ser Pro Phe Ser Thr Gly Glu Glu
        115             120             125

Asp Leu Phe Thr Ala Ala Leu Arg Phe Arg Leu Leu Arg His Asn Gly
    130             135             140

Ile Glu Ile Ser Pro Glu Ile Phe Leu Lys Phe Lys Asp Glu Arg Gly
145             150             155             160

Lys Phe Asp Glu Ser Asp Thr Leu Gly Leu Leu Ser Leu Tyr Glu Ala
            165             170             175

Ser Asn Leu Gly Val Ala Gly Glu Glu Ile Leu Glu Glu Ala Met Glu
            180             185             190

Phe Ala Glu Ala Arg Leu Arg Arg Ser Leu Ser Glu Pro Ala Ala Pro
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Leu His Gly Glu Val Ala Gln Ala Leu Asp Val Pro Arg His Leu Arg
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Ser Asp His Asp Gly Asp Leu Leu Glu Leu Ala Ile Leu Asp Tyr Asn
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Gln Val Gln Ala Gln His Gln Ser Glu Leu Thr Glu Ile Ile Arg Trp
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Trp Lys Glu Leu Gly Leu Val Asp Lys Leu Ser Phe Gly Arg Asp Arg
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Val Ile Asp Asp Ile Phe Asp Thr Tyr Gly Glu Met Asp Asp Leu Ile
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Leu Pro Glu Tyr Met Lys Ile Cys Tyr Met Ala Leu Tyr Asn Thr Thr
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Asn Glu Val Cys Tyr Lys Val Leu Arg Asp Thr Gly Arg Ile Val Leu
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Glu Ala Lys Trp Phe Asn Gly Gly Ser Ala Pro Lys Leu Glu Glu Tyr
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Phe Thr Gln Lys Pro Tyr Pro Lys Val Phe Ser Ala Ala Gly Arg Ile
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Gly Asp Leu Ala Ser Cys Val Gln Leu Phe Met Lys Glu Lys Ser Leu
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Thr Glu Glu Glu Ala Arg Ser Arg Ile Leu Glu Glu Ile Lys Gly Leu
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Trp Arg Asp Leu Asn Gly Glu Leu Val Tyr Asn Lys Asn Leu Pro Leu
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Page 4

Ser Ile Ile Lys Val Ala Leu Asn Met Ala Arg Ala Ser Gln Val Val
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Tyr Lys His Asp Gln Asp Thr Tyr Phe Ser Ser Val Asp Asn Tyr Val
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Asp Ala Leu Phe Phe Thr Gln
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